NGINX Conf 2018

The official event for all things NGINX

Watch the demo

Slide deck is supplemental, most of the content was presented via a live demo session

NGINX Unit

Changes and Demo 2018

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Agenda

 2 min: Intro

 5 min: Unit progress, list of new features

20 min: Demo

 5 min: Outro

 x min: Questions

Application plane challenges

Frequent infrastructure changes

Multiple application stacks

Hybrid monoliths/microservices

New deployment methods

NGINX Unit

- Dynamic app server with zero downtime on changes
- Consistently manages apps in 6 languages:
  - PHP, Python, Go, Ruby, Perl, Node.js
- Isolates and scales application processes
- Provides API access to the configuration
- Written in C, lightweight and open source

Unit Progress

- September 2017: Announcement and first beta
  - Fully dynamic server for PHP, Python, Go
- April 12, 2018: version 1.0
  - Added Ruby and Perl, security and hardening
- October 2018: version 1.4
  - Added SSL/TLS, announced Node.js, working on Java

unit.nginx.org/CHANGES.txt

Unit 0.1 - 0.5

```
*) Feature: configuration persistence.

*) Feature: application "timeout" property.

*) Feature: the "limits.requests" application option.

*) Feature: the "home" Python virtual environment
   configuration option.

*) Feature: the "processes" application option with
   prefork and dynamic process management support.
```

Unit 0.6 - 1.2

```
*) Feature: Ruby application module.

*) Feature: basic access logging.

*) Feature: configuration of environment variables for
   application processes.

*) Feature: customization of php.ini path.

*) Feature: setting of individual PHP configuration options.

*) Feature: configuration of execution arguments for
    Go applications.
```

Unit 1.3 - 1.4

```
*) Feature: configuration of the request body size limit.

*) Feature: configuration of various HTTP connection timeouts.

*) Change: the control API maps the configuration object
   only at "/config/".

*) Feature: TLS support for client connections.

*) Feature: Unit library (libunit)

*) Feature: "408 Request Timeout" responses while closing HTTP
    keep-alive connections.
```

Unit 1.5

```
*) Feature: Node.js application module.
```

Demo

Demo

Q&A

unit.nginx.org

nginx.com/blog/tag/nginx-unit

github.com/nginx/unit

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NGINX
Thank you